

AMENDMENTS

In the Claims

This listing of claims will replace all prior versions, and listings, of claims in the application:

Claims 1-13 (canceled)

Claim 14 (original): A power generator, comprising:

- a first substrate;

- a second substrate disposed on the first substrate, wherein a vibration chamber is formed between the first substrate and second substrate;

- a magnetic film disposed between the first substrate and second substrate and located in the vibration chamber, wherein the magnetic film has a predetermined magnetic field;

- a first metal layer disposed under the first substrate and substantially aligned with the vibration chamber;

- a second metal layer disposed on the second substrate and substantially aligned with the vibration chamber; and

- an electricity storage device electrically coupled to the first metal layer and second metal layer.

Claim 15 (original): The power generator as claimed in claim 14, further comprising a first circuit and a second circuit, the electricity storage device connected to the first metal layer through the first circuit and connected to the second metal layer through the second circuit.

Claim 16 (original): The power generator as claimed in claim 15, further comprising a first insulation control switch and a second insulation control switch, the first insulation control switch disposed on the first circuit, and the second insulation control switch disposed on the second circuit.

Claim 17 (original): The power generator as claimed in claim 16, wherein the first insulation control switch and second insulation control switch are N-type transistors (NMOS).

Claim 18 (original): The power generator as claimed in claim 14, wherein the first substrate and second substrate are composed of insulating materials.

Claim 19 (original): The power generator as claimed in claim 14, wherein the first metal layer further comprises a first coil circuit, and the second metal layer further comprises a second coil circuit.

Claim 20 (original): The power generator as claimed in claim 19, wherein the first coil circuit and second coil circuit are respectively formed on the first metal layer and second metal layer by photolithography and etching.

Claim 21 (original): The power generator as claimed in claim 19, wherein the first coil circuit and second coil circuit are respectively formed on the first metal layer and second metal layer by printing.

Claim 22 (original): The power generator as claimed in claim 14, wherein the vibration chamber is a vacuum.

Claim 23 (original): The power generator as claimed in claim 22, wherein the vacuum provides pressure of approximately 10^{-6} torr.

Claim 24 (original): The power generator as claimed in claim 14, wherein the electricity storage device is a capacitor.

Claim 25 (original): The power generator as claimed in claim 14, wherein the electricity storage device is a battery.

Claim 26 (original): The power generator as claimed in claim 14, wherein the first and second substrates are SiN.

Claim 27 (canceled)

Claim 28 (original): A semiconductor device, comprising:

a semiconductor chip;

a power generator embedded in the semiconductor chip for obtaining electric power by converting vibration energy into electric energy, the power generator comprising:

a first substrate;

a second substrate disposed on the first substrate, wherein a vibration chamber is formed between the first substrate and second substrate;

a magnetic film disposed between the first substrate and second substrate and located in the vibration chamber, wherein the magnetic film has a predetermined magnetic field;

a first metal layer disposed under the first substrate;

a second metal layer disposed on the second substrate; and

an electricity storage device electrically coupled to the first metal layer and second metal layer.

Claim 29 (canceled)